

Title (en)

EXHAUST EMISSION CONTROL APPARATUS FOR ON-BOARD INTERNAL COMBUSTION ENGINE, AND METHOD FOR EXHAUST EMISSION CONTROL APPARATUS

Title (de)

ABGASNACHBEHANDLUNGSGERÄT FÜR EINE VERBRENNUNGSMASCHINE UND METHODE FÜR EIN ABGASNACHBEHANDLUNGSGERÄT

Title (fr)

APPAREIL DE POST-TRAITEMENT POUR UN MOTEUR A COMBUSTION INTERNE ET PROCEDE POUR UN APPAREIL DE POST-TRAITEMENT

Publication

EP 3073084 A1 20160928 (EN)

Application

EP 16162388 A 20160324

Priority

JP 2015064501 A 20150326

Abstract (en)

A controller calculates a period travel distance that is a travel distance of the vehicle from when the available travel distance is calculated to when the available travel distance is calculated next. The controller (80), when the remaining amount of urea aqueous solution inside a tank (210) exceeds a predetermined amount, executes a first calculation process in which the available travel distance is calculated with reference to the remaining amount of the urea aqueous solution. The controller (80), after the remaining amount of the urea aqueous solution becomes smaller than or equal to a predetermined amount, executes a second calculation process in which the available travel distance is calculated by subtracting the period travel distance from the previously calculated available travel distance.

IPC 8 full level

F01N 3/20 (2006.01)

CPC (source: EP US)

B60K 35/60 (2024.01 - US); **F01N 3/2066** (2013.01 - EP US); **F01N 3/208** (2013.01 - US); **B60Y 2400/3019** (2013.01 - US); **F01N 2610/00** (2013.01 - EP US); **F01N 2610/02** (2013.01 - EP US); **F01N 2610/1406** (2013.01 - EP US); **F01N 2610/148** (2013.01 - EP US); **F01N 2900/1814** (2013.01 - US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (applicant)

JP 2009002859 A 20090108 - TOYOTA MOTOR CORP

Citation (search report)

- [A] DE 102011104391 A1 20121220 - GM GLOBAL TECH OPERATIONS INC [US]
- [A] EP 2562376 A2 20130227 - MAN TRUCK & BUS AG [DE]
- [A] WO 2006087842 A1 20060824 - NISSAN DIESEL MOTOR CO [JP], et al
- [A] EP 2840240 A1 20150225 - TOYOTA MOTOR CO LTD [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3073084 A1 20160928; **EP 3073084 B1 20181107**; JP 2016183614 A 20161020; JP 6235516 B2 20171122; US 2016281568 A1 20160929; US 9845718 B2 20171219

DOCDB simple family (application)

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